NAAC A++ Accredited

DIVISION OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY LABORATORY RECORD

ODD SEMESTER 2023-2024

Name : Bewin Felix R A

Reg.No : URK21CS1128

Course Code : 20CS2031L

Course Name: Introduction to Data Science

NOVEMBER 2023

NAAC A++ Accredited

DIVISION OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

LABORATORY RECORD

Academic Year 2023-2024

Course Code 20CS2031L

Course Name

Introduction to Data Science

Register No. URK21CS1128

It is hereby certified that this is the bonafide record of work done by Mr./Ms. <u>Bewin Felix R A</u> during the odd semester of the academic year 2023-2024 and submitted for the University Practical Examination held on 14.11.2023.

Program Coordinator

Name:

Examiner

TABLE OF CONTENTS

#	Date	Name of the Exercise	Page No.	Marks	Signature
1	24-07-2023	Working with Python Data Structures	1		
2	31-07-2023	Working with Data using Pandas	7		
3	07-08-2023	Data visualization through Python	19		
4	14-08-2023	Exploratory Data Analysis	36		
5	28-08-2023	Statistical Inference	48		
6	04-09-2023	Performance Analysis on Regression Techniques	57		
7	11-09-2023	Performance Analysis on KNN Classification Technique	62		
8	07-10-2023	Performance Analysis on Decision Tree Classification Technique	69		
9	09-10-2023	Clustering of Data using K-means Clustering Technique	84		
10	16-10-2023	Design of Content-based Recommender System	89		